

Appl. No. 10/650,149
Amdt. Dated October 18, 2007
Reply to Office action of July 18, 2007

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A method for a digital subscriber line device to process a dial string wherein the digital subscriber line device is coupled to a PSTN (public switched telephone network) and a VoIP (Voice-over-Internet Protocol) network, the method comprising:

receiving a transmission by the digital subscriber line device;

comparing a dial string of the transmission with phone numbers stored in a PSTN digit map and a VoIP digit map by a PSTN digit string processor and a VoIP digit string processor, respectively;

routing the transmission to the PSTN network when a phone number corresponding to the transmission is found in the PSTN digit map; and

routing the transmission to the VoIP network when a phone number corresponding to the transmission is found in the VoIP digit map.

Claim 2 (original): The method as claimed in claim 1, wherein the PSTN digit map is configured manually and stored in the digital subscriber line device.

Claim 3 (currently amended): The method as claimed in claim 1, wherein the VoIP digit map is configured by a call agent and stored in the ~~VoIP device~~ digital subscriber line device.

Appl. No. 10/650,149
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Claim 4 (original): The method as claimed in claim 1, wherein the transmission is routed from a telephone to the digital subscriber line device.

Claim 5 (currently amended): A digital subscriber line device, comprising:

at least one first port coupled to a PSTN (public switched telephone network);

a second port coupled to a VoIP (Voice-over-Internet Protocol) network;

a PSTN digit map;

a VoIP digit map;

a PSTN digit ~~map~~ string processor for comparing a transmission received by the digital subscriber line device with phone numbers stored in the PSTN digit map, wherein when a phone number ~~corresponds~~ corresponding to the transmission is found in the PSTN digit map, the PSTN digit ~~map~~ string processor routes the transmission to the PSTN ~~network~~ through the first port; and

a VoIP digit ~~map~~ string processor for comparing a transmission received by the digital subscriber line device with phone numbers stored in the VoIP digit map, wherein when a phone number ~~corresponds~~ corresponding to the transmission is found in the VoIP digit map, the VoIP digit ~~map~~ string processor routes the transmission to the VoIP network through the second port.

Claim 6 (original): The digital subscriber line device as claimed in claim 5, wherein the PSTN digit map is configured manually and stored in the digital subscriber line device.

Claim 7 (original): The digital subscriber line device as claimed in claim 5, wherein the VoIP digit map is configured by a call agent and stored in the digital subscriber line device.

Appl. No. 10/650,149
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Claim 8 (original): The digital subscriber line device as claimed in claim 5, wherein the dial-up transmission is routed from a telephone to the digital subscriber line device.

Claim 9 (new): The method as claimed in claim 1, further comprising: transmitting a voice signal to the telephone to notify the user of a dial error message when a phone number corresponding to the transmission is neither found in the PSTN digit map nor in the VoIP digit map.

Claim 10 (new): The digital subscriber line device as claimed in claim 5, further comprising: an error notification module for transmitting a voice signal to the telephone to notify the user of a dial error message when a phone number corresponding to the transmission is neither found in the PSTN digit map nor in the VoIP digit map.